

Species Tag:	7001	Species Name:	Li-6-H
Version:	1		Lithium hydride,
Date:	July 1995		⁶ Li isotope
Contributor:	M. L. Delitsky		$\nu = 0, 1$
	H. M. Pickett		
Lines Listed:	33	Q(300.0)=	28.137
Freq. (GHz) <	7210	Q(225.0)=	21.127
Max. J:	17	Q(150.0)=	14.174
LOGSTR0=	-20	Q(75.00)=	7.249
LOGSTR1=	-100	Q(37.50)=	3.804
Isotope Corr.:	-1.13	Q(18.75)=	2.101
Egy. (cm ⁻¹) >	0	Q(9.375)=	1.299
$\mu_a =$	5.882	A=	
$\mu_b =$		B=	226633.2
$\mu_c =$		C=	

The line frequencies were taken from: Maki, Olson and Thompson, 1990, J. Mol. Spect. **144**, 257. Bellini, *et al.*, 1994, Astrophys. J. **424**, 507, and Plummer, Herbst and DeLucia, 1984, J. Chem. Phys. **81**, 4893. Additional lines were measured by F. Matsushima, *et. al.*, 1994, J. Jpn. Appl. Phys. **33**, 315. These were not included in the analysis due to poor agreement with other data. Further work is required to resolve the differences between these two data sets.

The dipole moment is from L. Warton, L. P. Gold and W. Klemperer, 1960, J. Chem. Phys. **33**, 1255. It has been assumed to be the same for all isotopomers.